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Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-7. (Canceled)

8. (Canceled)

9. (Canceled)

8
10. (Presently Amended) The polypeptide of any one of claims 8, 57-58, or 61-6467 further comprising heterologous amino acid sequences.

11-56. (Canceled)

1
57. (Presently Amended) An isolated polypeptide which is encoded by a nucleic acid molecule comprising a nucleotide sequence which is at least 90% identical to a nucleic acid comprising the nucleotide sequence of SEQ ID NO:19, wherein said polypeptide binds to and/or modulates a potassium channel activity.

2
58. (Presently Amended) An isolated polypeptide which is encoded by a nucleic acid molecule comprising a nucleotide sequence which is at least 95% identical to a nucleic acid comprising the nucleotide sequence of SEQ ID NO:19, wherein said polypeptide binds to and/or modulates a potassium channel activity.

59-60. (Canceled)

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3 61. (Presently Amended) An isolated polypeptide comprising an amino acid sequence which is at least 90% identical to the amino acid sequence of SEQ ID NO:20, wherein said polypeptide binds to and/or modulates a potassium channel activity.

4 62. (Presently Amended) An isolated polypeptide comprising an amino acid sequence which is at least 95% identical to the amino acid sequence of SEQ ID NO:20, wherein said polypeptide binds to and/or modulates a potassium channel activity.

5 63. (Previously Presented) An isolated polypeptide comprising the amino acid sequence of SEQ ID NO:20.

6 64. (Previously Presented) An isolated polypeptide consisting of the amino acid sequence of SEQ ID NO:20.

7 65. (Previously Presented) An isolated polypeptide encoded by the DNA insert of the plasmid deposited with ATCC as Accession Number 98991, or 98993.

66. (Cancelled)

67. (Cancelled)

9 68. (New) The polypeptide of claim 58 further comprising heterologous amino acid sequences.

10 69. (New) The polypeptide of claim 61 further comprising heterologous amino acid sequences.

11 70. (New) The polypeptide of claim 57, wherein said polypeptide binds to said potassium channel.

12 71. (New) The polypeptide of claim 58, wherein said polypeptide binds to said potassium channel.

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72. (New) The polypeptide of claim 57, wherein said polypeptide modulates the activity of said potassium channel.

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73. (New) The polypeptide of claim 58, wherein said polypeptide modulates the activity of said potassium channel.

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74. (New) The polypeptide of claim 57, wherein said polypeptide binds to and modulates the activity of said potassium channel.

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75. (New) The polypeptide of claim 58, wherein said polypeptide binds to and modulates the activity of said potassium channel.

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76. (New) The polypeptide of claim 61, wherein said polypeptide binds to said potassium channel.

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77. (New) The polypeptide of claim 62, wherein said polypeptide binds to said potassium channel.

19

78. (New) The polypeptide of claim 61, wherein said polypeptide modulates the activity of said potassium channel.

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79. (New) The polypeptide of claim 62, wherein said polypeptide modulates the activity of said potassium channel.

21

80. (New) The polypeptide of claim 61, wherein said polypeptide binds to and modulates the activity of said potassium channel.

22

81. (New) The polypeptide of claim 62, wherein said polypeptide binds to and modulates the activity of said potassium channel.